Appendix-D

OTIS SELF ADMINISTERING TEST OF MENTAL ABILITY

Please fill in the following:

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Description
- This test consists of 75 questions. It is not compulsory to solve all of them, but try to do as much as you can. Each item with a value of one mark measures mental ability of the 10th standard students.
- This test is designed to be completed in 30 minutes; however you may have an additional 5 minutes to complete the test, if you need it.

Instructions
- Read each question carefully.
- Try and answer all questions.
- Mark your answers only in the answer sheets supplied.
- Please don't mark your answer in OTMA Booklet.
- Do not waste much time on single question.
- This test aims to see how appropriate you are in thinking as it consists of several types of questions.

For Example:
A question is present with appropriate answer. Note the manner of answering while reading.
1. Which of the following given words refers what is an apple?
   a) Flower  b) Tree  c) Vegetables  d) **Fruit**  e) Animal
2. There are other types of questions where answers are not provided in that case you have to write the answer in the space provided.
   **For Eg.**: What will be the cost of 6 pencils at the rate of Rs. 2/- each? [The answer is Rs. 12, so write only 12 in the space provided]
1) Which one of the following objects is not related with others?
   a) Rose     b) Lotus     c) Root     d) Grapes     e) Jasmine

2) What is Gun? Which of the below given word depicts clearly
   a) Sign     b) Weapon     c) Tools     d) equipment     e) thing

3) Among the below given 5 words which one is opposite to North
direction?
   a) East     b) Star     c) South     d) Pole     e) Atlantic

4) Child for a man, lamb for a wolf as . . . . for pup.
   a) girl     b) cat     c) beach     d) wolf     e) son

5) A child who has accidentally hit another should.
   a) hit himself     b) say that I had not hit you
   c) run away     d) not do anything     e) apologise

6) Which of the following objects is the smallest?
   a) Knee     b) leg     c) thumb     d) pethella     e) foot

7) Which of the following objects is similar to the below given three objects
   chair, cot, stove.
   a) Iron     b) ladder     c) wood     d) table     e) floor

8) Which of the below given 5 words are opposite to slim?
   a) healthy     b) fat     c) strong     d) lengthy     e) big

9) Elbow for arm, as for knee.
   a) leg     b) knee     c) payama     d) bone     e) man

10) Which of the following word is opposite of happiness?
    a) sickness     b) bad     c) pleasure     d) sorrow     e) cry

11) Which of the following numbers is the smallest?
    a) 5084     b) 4160     c) 3342     d) 6521
    e) 291 8     f) 3296     g) 6475     VI) 2675     j) 7839

12) Which word is the opposite to ugliness?
    a) beach     b) beauty     c) coloured     d) unpleasant     e) mean
13) If the below given numbers are placed in serial number then which one will be the median.
   a) 5   b) 9   c) 7   d) 3

14) If you are firm that you are alright then you will feel?
   a) proud   b) believe   c) suspicion   d) illusion   e) security

15) Sculptor of statue as . . . . . . for writer.
   a) book   b) man   c) name   d) bookrack

16) We use coins. What is its best reason?
   a) it is made of silver   b) it is cheap
   c) it is easy to exchange   d) it is being used for a long time

17) Which of the below given five words, have similarity with the following three cutter, axe, hammer.
   a) bottle   b) pen   c) screw holder
   d) needle   e) carpenter

18) How many pencils can be purchased in 27 anna at a rate of 3 anna per pencil?

19) If a person in sound sleep is awakened accidentally with a cry then he will become?
   a) sick dreamer   c) frightened   d) motionless

20) Seed for plant as _____for bird.
   a) tree   b) egg   c) wings   d) nest   e) fly

21) A figure among the below given is wrong what should it be?
   a) 61   b) 62   c) 63   d) 64   e) 65   f) 67

22) Which of the following 5 objects have similarity with these 2 - goat, frog.
   a) flower   b) nest   c) grass   d) snake   e) tree

23) If the following words are arranged systematically to construct a sentence then which alphabet will represent the middle word of the sentence.
   After rains seen are in clouds a line - - - - -

24) One who deceivingly captures other's property is called?
   a) Traitor   b) idiot   c) cheater   d) prisoner   e) lawyer
25) Steam for engine is as _____ for floating boat
   a) ocean    b) air    c) spade    d) whistle

26) What is a cup? Which one depicts clearly?
   a) small pot used in drinking
   b) a thing used to keep coffee
   c) a thin breakable thing
   d) used on the table.
   e) it has a handle for holding.

27) If Ram is bigger than Shyam, and Shyam is bigger than Hari, Ram is
    than Hari.
   a) bigger    b) smaller    c) equal    d) cannot say what?

28) How many 5's are there when each is followed by a three?
    5 3 1 8 7 5 1 5 6 5 3 5 2 0 9 5 3 5 1 0 2 5 8 7 1 5 3 3 5 0 1 3 5 5 3 2 5

29) For making a good sentence if the below given words are rearranged,
   "then what will be the first alphabet of the sentence?
   More than iron heavier wood is

30) Light for candle as puff for?
   a) fan    b) glitter    c) boat    d) window    e) speed.

31) Which one will come first in a dictionary?
   a) much    b) order    c) home    d) market    e) elephant.
   f) fairly    g) opportunity

32) My father, sisters son will be my
   a) nephew    b) uncle    c) brother    d) step mother    e) grandson

33) Among the below given series of numbers, one number is wrong. W
    it be?  5 4 5 6 5 4 5 6 5 6 . . . . .

34) Which of the five words have similarity with the below given three. Ship,
    cycle, motor truck.
   a) spade    b) wheel    c) train    d) ocean    e) tyre

35) If Ramachandra is tall than Gyanchandra and Ramachandra is smaller
    than Hari, then Hari is ..........From Gyanchandra.
   a) bigger    b) smaller    c) equal    d) cannot say
36) What is the chief use of telephone?
   a) informing the fire department
   b) for saving time in communication
   c) for talking with neighbours
   d) for hearing the bell
   e) the operators are employed

37) Government operating through capitation is called?
   a) uncontrolled   b) corrupted   c) self legislative
   d) unable   e) irregular.

38) Road for car as for ________ aeroplane.
   a) flight   b) fan   c) speed   d) air   e) feather

39) Do as this irregular sentence say -- write words starting with first alphabet of prism...

40) Among the below given series of figures one is wrong. What should it be?
   5, 10, 15, 20, 25, 31, 35, 40, 45, 50

41) Which word is the opposite of 'criminal'?
   a) fearful   b) brave   c) selfless   d) king   e) ignorant

42) Peace for war was a disturbance for?
   a) explosion   b) law   c) cease fire   d) disturbance   e) police

43) In a certain language, bad water = mullo neer, bad air = mullo pavan
   What is the first alphabet indicating 'bad'?

44) A person who is laborious and hopes for success is called?
   a) hopeful   b) lazy   c) satisfactory
   d) faithful   e) obedient

45) Which word among the below has similarity with these three - towel, shirt, and hankerchief?
   a) washer man's home   b) godown   c) bath
   d) shop   e) shoe

46) Library for books as ________ money
   a) godown   b) school   c) bank   d) knowledge   e) gold
47) If Mohan is bigger than Sohan and Sohan and Shyam are equal, then Shyam is ............ than Mohan.
   a) bigger  b) smaller  c) equal  d) cannot say

48) If the below given words are serially placed then what will be the starting alphabet of the second word?
   Always father is from son smaller his

49) If the below given words are serially then what will be the starting alphabet of the middle word?
   Sentence alphabet page word paragraph.

50) If an act is according to the laws and levels then it is called?
    a) lawful  b) deceitful  c) proper  d) appropriate  e) improper.

51) In a typical language, Rose = Rab, Red Rose = Rab lupo, what is the starting alphabet of the word meaning red

52) If a person walked 11 mile towards North from his home and then 6 miles towards south then what distance did he cover from his home?

53) Flower pot for flowers as _______ for milk?
   a) drink  b) cow  c) white  d) pot  e) butter.

54) Do as this irregular sentence say - write the total of one and Five........

55) What is the meaning of 'thorns are in the rose'?
    a) all the plants of rose have thorns
    b) without sorrow there is no pleasure
    c) some of the petals of rose are sharp
    d) flowers are availed from the thorny plants.

56) Which one depicts clearly about wheel? round circle attached to a axis
    d) a round thing attached with the car?

57) Brick for wall as _________ for table?
    a) chair  b) red  c) food  d) wood  e) kitchen

58) Do as this disordered sentence says-write the fifth alphabet of this sentence.

59) Which word among the below given will come at the last in a dictionary.
    a) rise  b) above  c) anil  d) boss  e) improper  f) effect.
60) What does it mean by the saying that 'those who live in glass house, should not throw stones''
   a) those who are themselves guilty, should not criticize others
   b) people should not live in glass house
   d) by throwing stone the glass may get broken
   e) those who live in glass house are much in need of stones.

61) If the below given words are placed serially then what will be the starting alphabet of the middle word of the sentence?
   One calm should be always while eating.

62) In a typical message, small dog jury camo, small cats = getty camo, which word indicates small?

63) Deceiving people and earning money by cheating is called-
   a) double  b) false  c) imitation  d) stage wealth  e) cheat.

64) What is meant by the saying "you will have to lie down on the same bed which you have yourself cleaned".
   a) you should learn your bed
   b) you will have to suffer for your own deeds
   c) as soon as the bed is cleaned, one should lie on it
   d) sleep is essential for good health.

65) Which word among the below given will come at last in a dictionary?
   a) adjustment  b) leader  c) jump
d) alive  e) knowledge  f) nature  g) honey

66) Which one depicts clearly what is a car?
   a) a cart with horse  b) an object with tyres  c) a means of transport
d) that moves with engine  e) engine attached on the wheels.

67) Steam for water as water for?
   a) hot  b) 'ice  c) engine  d) solid thing  e) gas.

68) Which one depicts clearly what is guest house?
   a) a small room  b) a place to hang cap and coat
c) it is big but congested
d) a path for entrance to the house  e) a place for short stay.
69) Which one has similarity with this three - small, black and hard
   a) fat       b) coal       c) much       d) steam       e) colour.

70) Write that alphabet which comes before one alphabet of ‘f’

71) Which number among the below given series is wrong?
   1, 2, 4, 8, 16, 32, 64 . . . . . .

72) Daughter for son as _________ for uncle.

73) Suppose I have a big box in which there are five small boxes. In each
   small box there are two very small boxes. Then what will be the total
   number of boxes?

74) One figure is wrong among the below given series. What should it be
   3, 4, 6, 7, 9, 10, 12, 14.

75) What is meant by the saying that “a bit of doing work is much better than
   tons of indication.”
   a) do not teach       b) work is much valuable than speech
   c) practice is essential for learning.
**SCORING STENCIL OF OTIS SELF ADMINISTERING TEST OF MENTAL ABILITY**

Name:
School: Class: Roll No.:

**Directions:**
All answers must be written in this sheet only. Be sure to mark each answer by putting a cross mark 'X' in appropriate O after its question number. For example: The alternative 'A' is the correct answer to sample E.1, the answer should be marked as follows:

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E1. A B C D
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**Note:**
Write clearly, if you mark more than one answer to a question, you will get no credit to that answer.

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374
# APPENDIX – D1

Mean and S.D. of OTIS – General Mental Ability Test (N=194)

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Mean of S.D. of OTIS – General Mental Ability Test (N=194)

Mean = \( \bar{x} = \frac{\Sigma f_x}{N} \)

\( \bar{x} = \frac{6878}{194} \)

\( \bar{x} = 35.45 \)

SD = \( \sqrt{\frac{\Sigma f_x^2}{N}} \)

\( = \sqrt{\frac{416}{194}} \)

\( = \sqrt{2.1443} \)

SD = 1.46
APPENDIX – D2

Table Showing N, Mean and Standard Deviation

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